

EVENT LIGHTING

Pixel Bar

Model No. PIXBAR12x3 , PIXBAR12x8

USER MANUAL



For safety, please read this user manual carefully before initial use.

Event Lighting reserves the right to revise the manual at any time. Information and specifications within this manual are subject to change without notice. Event Lighting assumes no liability or responsibility for any errors or omissions. Please consult Event Lighting for any clarification or information regarding this item.

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V1.1

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Safety Instructions

WARNING

- Do not open this device, there is no user-serviceable parts inside. Risk of electric shock.
- Do not look at the light source when the device is on.
- **CAUTION:** This unit's housing may be hot during and after operation.
- Install this device in a location with adequate ventilation, at least 20 inch (50 cm) from adjacent surfaces.
- Do not leave any flammable material within 50 cm of this unit while operating or connected to power.
- Use a safety chain when mounting this device overhead.
- Do not operate this device outdoors or in any location where dust, excessive heat, water, or humidity may affect it.
- Do not operate this device if the housing, lenses, or cables appear damaged.
- Do not connect this device to a dimmer or rheostat.
- ONLY connect this device to a grounded and protected circuit.
- ONLY use the hanging bracket to carry this device.
- In case of a serious operating problem, stop using immediately.
- The maximum ambient temperature is 104 ° F (40 ° C). Do not operate this device at higher temperatures.

Power Input & Power Linking

This device has an auto-switching power supply work with input voltage range of 100~240 VAC, 50/60 Hz.

Link up to the maximum of 8A. DO NOT exceed this number.

Product Installation

This device can be mounted in many orientations provided each individual device is secured by the use of correct mounting bracket.

Use a safety chain when mounting this device overhead.

Fuse Replacement

If the fine-wire fuse of the device fuses, only replace the fuse by a fuse of same type and rating.

Before replacing the fuse, unplug mains lead.

Procedure:

Step 1: Unscrew the fuse holder on the rear panel with a fitting screwdriver from the housing (anticlockwise).

Step 2: Remove the old fuse from the fuse holder.

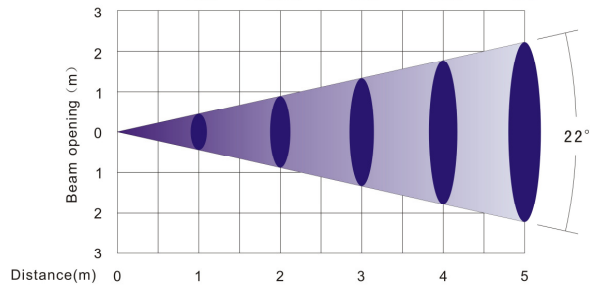
Step 3: Install the new fuse in the fuse holder.

Step 4: Replace the fuse holder in the housing and fix it.

Lux Chart

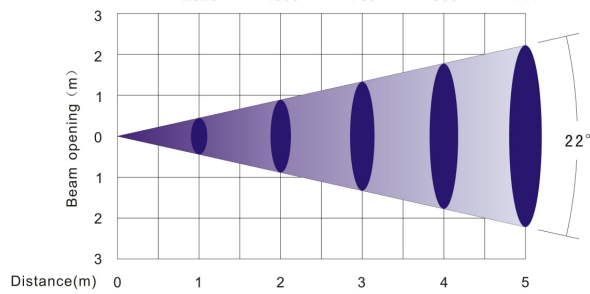
PIXBAR12X8

Lux (R)	1645	705	381	244	170
Lux (G)	1952	833	453	286	196
Lux (B)	2257	976	548	348	240
Lux (W)	2790	1237	693	443	306
Lux (RGBW)	7850	3500	1953	1253	872

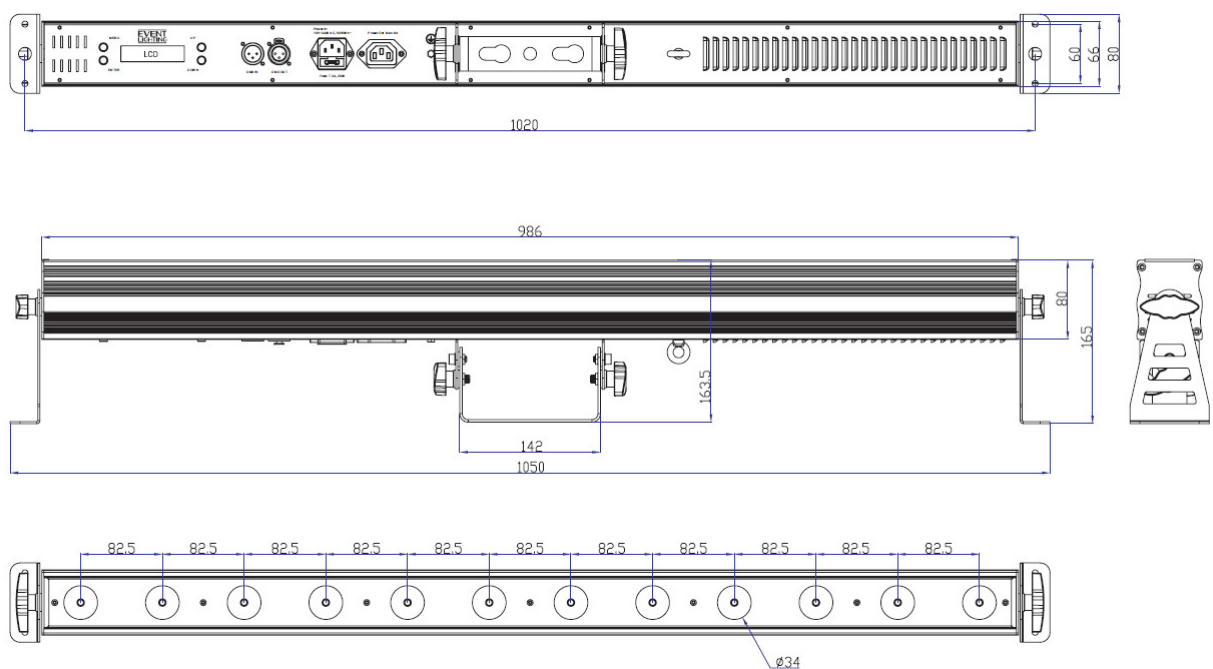


PIXBAR12X3

Lux (R)	1165	483	290	189	130
Lux (G)	1230	512	312	205	142
Lux (B)	1342	556	345	223	154
Lux (RGBW)	2628	1353	789	569	393



Dimensions



CONTROL BOARD OPERATION

Press the Menu until one of the following displayed:

Display 12x3	Display 12x8	Function
1.DMX Address	1.DMX Address	To set DMX address
2.DMX Channel	2.DMX Channel	To set DMX channel modes: 12x3 - CH03, CH05, CH06, CH07, CH09, CH12, CH18, CH36 12x8 - CH04, CH06, CH08, CH09, CH12, CH16, CH24, CH48
	3.Dimmer Curve	To set dimmer speeds: <01> , <02>, <03>, <04>
3.Sound Mode	4.Sound Mode	To set sound active mode and the sensitivity (S000 ~ S100)
4. Static Color	5. Static Color	To set static colors: Static Color 12x3 - R, G, B, GB, RG, RB, RGB 12x8 - R, G, B, W, GB, RB, RG, RGB, RW, GW, BW, RGW, RBW, GBW, RGBW
5.Manual Color	6.Manual Color	To set user mode intensity of R, G, B separately for color mixing and strobe rate (S000-S100).
6.Auto Program	7.Auto Program	To set built-in automatic programs: (12x3, Pr 01 ~ Pr 11)(12x8 , Pr 01 ~ Pr 12) and speeds <Speed 000 ~ Speed100>
7.Master/Slave	8.Master/Slave	To set Master/Slave modes

Use Up and Down button to select your desired operation, then press Enter to confirm.

DMX Addressing:

After select the "DMX Address" and press Enter, then use Up and Down to set the desired DMX address (001~512), press "Enter" again to confirm.

DMX Modes (Three DMX modes option)

After select the "2.DMX Channel" and press Enter, then use Up and Down to set the desired DMX mode CHXX press "Enter" again to confirm.

Sound Mode

Entered "Sound mode", use <UP> and <DOWN> to set the sensitivity Sen 000 ~ Sen 100, press Enter to confirm.

Manual Color Mode

This mode allows the user set intensity of each colour separately to get endless color mixing from the control board without DMX controller to set the device to run strobe desired.

Entered user mode, use <UP> and <DOWN> to select the " R / G / B / W " for Colors intensity or "S" for strobe

Use <UP> and <DOWN> to set the colors intensity values " 0 ~ 255" or Strobe speed values "000 ~ 100"

(Freeze, Slow ~ Fast), then press "Enter" to confirm.

Setting Static Colors

Entered "4. Static Color" mode, you can select the desired solid color via the UP or DOWN buttons and confirm by Enter

	12x3		12x8	
Mode:	Value:	Function:	Value:	Function:
Static Color	Static color <R>	Red	Static color <R>	Red
	Static color <G>	Green	Static color <G>	Green
	Static color 	Blue	Static color 	Blue
	Static color <RG>	Red + Green	Static color <W>	White
	Static color <BG>	Blue + Green	Static color <GB>	Green + Blue
	Static color <RB>	Red + Blue	Static color <RB>	Red + Blue
	Static color <RGB>	Red + Green + Blue	Static color <RG>	Red + Green
			Static color <RGB>	Red + Green + Blue
			Static color <RW>	Red + White
			Static color <GW>	Green + White
			Static color <BW>	Blue + White
			Static color <RGW>	Red + Green + White
			Static color <RBW>	Red + Blue + White
			Static color <GBW>	Red + Blue + White
			Static color <RGBW>	Red + Green + Blue + White

Automatic Mode

This fixture has a built-in automatic program.

Entered "6.Auto Program" mode, use <UP> and <DOWN> to select the built-in programs Pr XX then press the "Enter" to confirm.

Use <UP> and <DOWN> to select the operating speed of the program(Value:S 000 ~ S100, Freeze,Slow ~ Fast), press "Enter" to confirm.

Mode:	Value:	Function:
Auto Program	Pr 01	R G B colors switching
	Pr 02	7 colors switching
	Pr 03	7 colors Macros fading
	Pr 04	Auto Chasing 1
	Pr 05	Auto Chasing 2
	Pr 06	Auto Chasing 3
	Pr 07	Auto Chasing 4
	Pr 08	Auto Chasing 5
	Pr 09	Auto Chasing 6
	Pr 10	Auto Chasing 7
	Pr 11	Auto Chasing 8 (Loop PR04 ~ PR 10)
	Pr 12	Auto Chasing 9

Master/Slave Operation

This mode allows for multiple units slave fixtures to follow a single master fixture.

- 1) Set the master fixture to one of the standalone operating modes: automatic, sound, user mode or static color modes
- 2) Use UP and Down to set the slaves to <Slave>, press Enter. "Slave" will display.

Special Chaser Mode (only available for the internal programs Pr 12)

This mode enables several slave units after the other so that chaser effects can be operated over several devices. You can build up to 126 different slave groups. as an explanation, we give an example with 10 different slave groups

Settings for the master device

1. Set the DMX address to 010 (number of slave groups), press Enter to confirm.
2. Set Auto Program to Pr 12, press ENTER to confirm.

Setting for the slave devices

1. Set the slaves devices to Slave mode, press Enter, "Slave MODE" displayed
2. Set the slave devices DMX address to the desired slave group (here 001 - 010) via the UP or DOWN buttons. Press ENTER to confirm.

See below chart:

	Master Unit	Unit running same step with Master unit	Unit running same step with Master unit	...	Unit running NEX step 1 Chasing	Unit running NEX step 1 Chasing	Unit running NEX step 1 Chasing	...	Unit running NEX step 2 Chasing	Unit running NEX step 2 Chasing	Unit running NEX step 2 Chasing	...	...	Unit running NEX step 9 Chasing	Unit running NEX step 9 Chasing	Unit running NEX step 9 Chasing	...
SLAV Addressing:	010	001	001	001	002	002	002	002	003	003	003	003	...	010	010	010	010
	Slave Group 1				Slave Group 2				Slave Group 3				...	Slave Group 10			

DMX VALUES:

3 Channels Mode: 12x3

CHANNEL	VALUE	FUNCTION
1	000-255	Red 0% ~ 100%
2	000-255	Green 0% ~ 100%
3	000-255	Blue 0% ~ 100%

4 Channels Mode: 12x8

CHANNEL	VALUE	FUNCTION
1	000-255	Red 0% ~ 100%
2	000-255	Green 0% ~ 100%
3	000-255	Blue 0% ~ 100%
4	000-255	White 0% ~ 100%

5 Channels Mode: 12x3

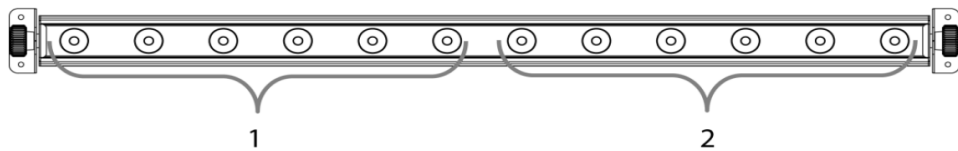
CHANNEL	VALUE	FUNCTION
1	000-255	Red 0% ~ 100%
2	000-255	Green 0% ~ 100%
3	000-255	Blue 0% ~ 100%
4	000-255	Master DIMMER 0% ~ 100%
5	000-009	No Function
	010-255	Strobe : Slow ~ Fast (1~30Hz)

6 Channels Mode: 12x8

CHANNEL	VALUE	FUNCTION	
1	000-255	Red 0% ~ 100%	
2	000-255	Green 0% ~ 100%	
3	000-255	Blue 0% ~ 100%	
4	000-255	White 0% ~ 100%	
5	000-255	Master DIMMER 0% ~ 100%	
6	000-009	No Function	
	010-255	Strobe : Slow ~ Fast (1~30Hz)	

6 Channels Mode: 12x3

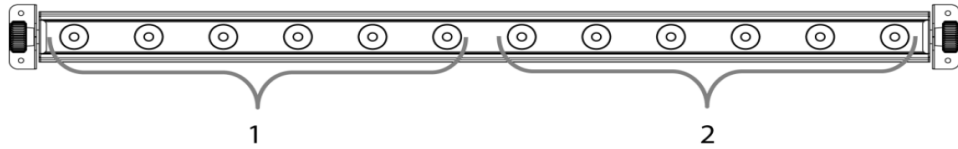
CHANNEL	VALUE	FUNCTION	SECTION
1,4	000-255	Red 0% ~ 100%	Section 1 (1,2,3)
2,5	000-255	Green 0% ~ 100%	
3,6	000-255	Blue 0% ~ 100%	Section 2 (4,5,6)

**7 Channels Mode: 12x3**

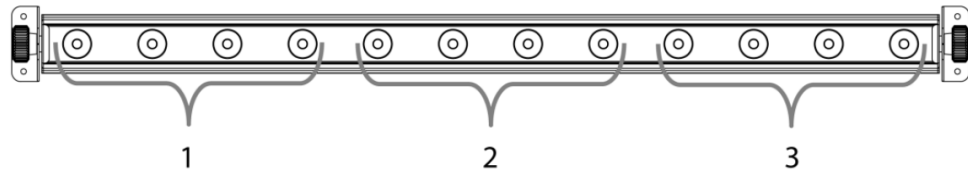
CHANNEL	VALUE	FUNCTION	
1	000-255	Red 0% ~ 100%	
2	000-255	Green 0% ~ 100%	
3	000-255	Blue 0% ~ 100%	
4	000-255	Master DIMMER 0% ~ 100%	
5	000-009	No Function	
	010-255	Strobe : Slow ~ Fast (1~30Hz)	
6	000-009	No Function	
	010-029	R G B colors switching	
	030-050	7 colors switching	
	051-071	7 colors Macros fading	
	072-092	Auto Chasing 1	
	093-113	Auto Chasing 2	
	114-134	Auto Chasing 3	
	135-155	Auto Chasing 4	
	156-176	Auto Chasing 5	
	177-197	Auto Chasing 6	
	198-218	Auto Chasing 7	
	219-239	Auto Chasing 8 (Loop PR04 ~ PR 10)	
	240-255	Sound Active	
7	000-255	Speed of Auto Programs (Slow ~ Fast)	

8 Channels Mode: 12x8

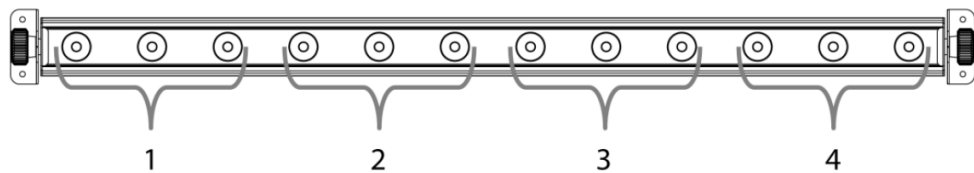
CHANNEL	VALUE	FUNCTION	SECTION
1,5	000-255	Red 0% ~ 100%	Section 1 (1,2,3,4)
2,6	000-255	Green 0% ~ 100%	
3,7	000-255	Blue 0% ~ 100%	Section 2 (5,6,7,8)
4,8	000-255	White 0% ~ 100%	

**9 Channels Mode: 12x3**

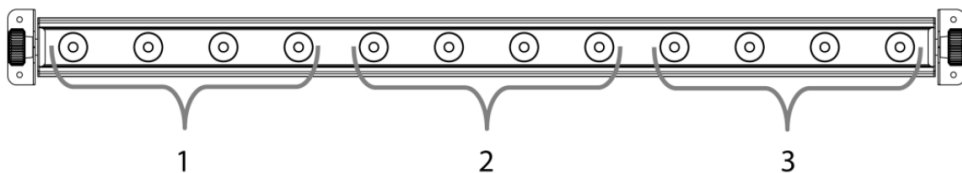
CHANNEL	VALUE	FUNCTION	SECTION
1,4,7	000-255	Red 0% ~ 100%	Section 1 (1,2,3)
2,5,8	000-255	Green 0% ~ 100%	Section 2 (4,5,6)
3,6,9	000-255	Blue 0% ~ 100%	Section 3 (7,8,9)

**12 Channels Mode: 12x3**

CHANNEL	VALUE	FUNCTION	SECTION
1,4,7,10	000-255	Red 0% ~ 100%	Section 1 (1,2,3)
2,5,8,11	000-255	Green 0% ~ 100%	Section 2 (4,5,6)
3,6,9,12	000-255	Blue 0% ~ 100%	Section 3 (7,8,9)
			Section 4 (10,11,12)

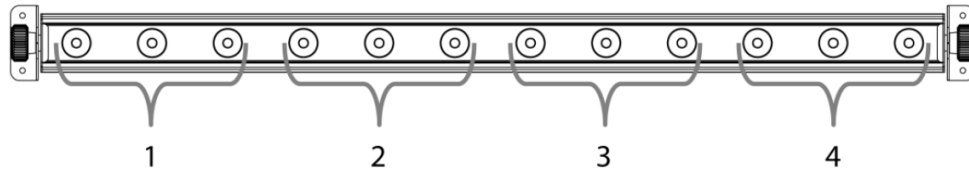
**12 Channels Mode: 12x8**

CHANNEL	VALUE	FUNCTION	SECTION
1,5,9	000-255	Red 0% ~ 100%	Section 1 (1,2,3,4)
2,6,10	000-255	Green 0% ~ 100%	
3,7,11	000-255	Blue 0% ~ 100%	Section 2 (5,6,7,8)
4,8,12	000-255	White 0% ~ 100%	

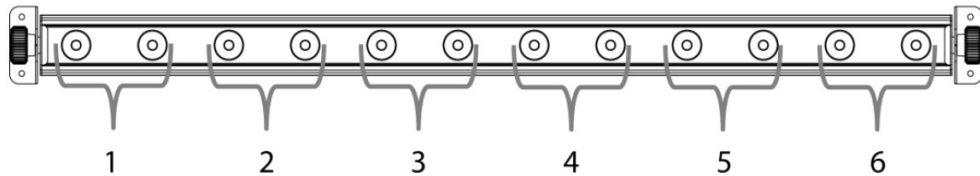


16 Channels Mode: 12x8

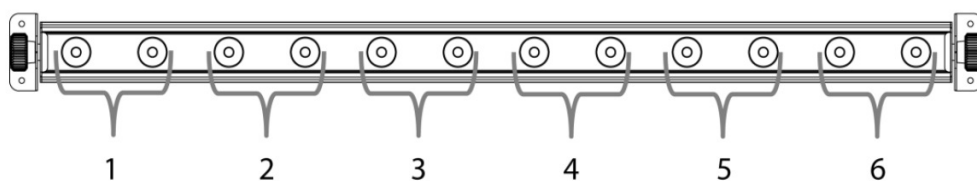
CHANNEL	VALUE	FUNCTION	SECTION
1,5,9,13	000-255	Red 0% ~ 100%	Section 1 (1,2,3,4) Section2 (5,6,7,8) Section 3 (9,10,11,12) Section 4 (12,14,15,16)
2,6,10,14	000-255	Green 0% ~ 100%	
3,7,11,15	000-255	Blue 0% ~ 100%	
4,8,12,16	000-255	White 0% ~ 100%	

**18 Channels Mode: 12x3**

CHANNEL	VALUE	FUNCTION	SECTION
1,4,7,10,13,16	000-255	Red 0% ~ 100%	Section 1 (1,2,3) Section 2 (4,5,6) Section 3 (7,8,9) Section 4 (10,11,12) Section 5 (13,14,15) Section 6 (16,17,18)
2,5,8,11,14,17	000-255	Green 0% ~ 100%	
3,6,9,12,15,18	000-255	Blue 0% ~ 100%	

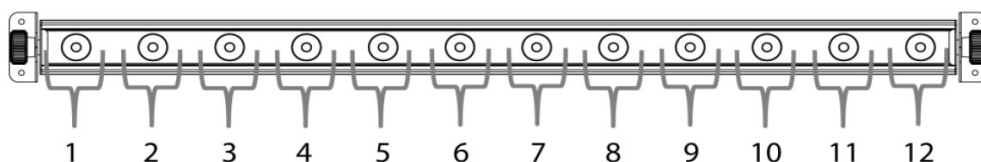
**24 Channels Mode: 12x8**

CHANNEL	VALUE	FUNCTION	SECTION
1,5,9,13,17,21	000-255	Red 0% ~ 100%	Section 1 (1,2,3,4) Section2 (5,6,7,8) Section 3 (9,10,11,12) Section 4 (12,14,15,16) Section 5 (17,18,19,20) Section 6 (21,22,23,24)
2,6,10,14,18,22	000-255	Green 0% ~ 100%	
3,7,11,15,19,23	000-255	Blue 0% ~ 100%	
4,8,12,16,20,24	000-255	White 0% ~ 100%	

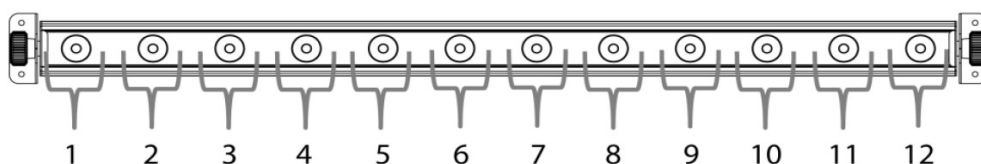


36 Channels Mode: 12x3

CHANNEL	VALUE	FUNCTION	SECTION
1,4,7,10,13,16,19,22,25,28,31,34	000-255	Red 0% ~ 100%	Section 1 (1,2,3) Section 2 (4,5,6) Section 3 (7,8,9) Section 4 (10,11,12)
2,5,8,11,14,17,20,23,26,29,32,35	000-255	Green 0% ~ 100%	Section 5 (13,14,15) Section 6 (16,17,18) Section 7 (19,20,21) Section 8 (22,23,24) Section 9 (25,26,27)
3,6,9,12,15,18,19,24,27,30,33,36	000-255	Blue 0% ~ 100%	Section 10 (28,29,30) Section 11 (31,32,33) Section 12 (34,35,36)

**48 Channels Mode: 12x8**

CHANNEL	VALUE	FUNCTION	SECTION
1,5,9,13,17,21,25,29,33,37,41	000-255	Red 0% ~ 100%	Section 1 (1,2,3,4) Section 2 (5,6,7,8) Section 3 (9,10,11,12)
2,6,10,14,18,22,26,30,34,38,42	000-255	Green 0% ~ 100%	Section 4 (12,14,15,16) Section 5 (17,18,19,20) Section 6 (21,22,23,24)
3,7,11,15,19,23,27,31,35,39,43	000-255	Blue 0% ~ 100%	Section 7 (25,26,27,28) Section 8 (29,30,31,32) Section 9 (32,34,35,36)
4,8,12,16,20,24,28,32,36,40,44	000-255	White 0% ~ 100%	Section 10 (37,38,39,40) Section 11 (41,42,43,44) Section 12 (45,46,47,48)



TECHNICAL SPECIFICATIONS

Model	PIXBAR12X3		PIXBAR12X8	
Dimensions and Weight				
LxWxH (mm)	1050 x 80 x 165			
Weight (kg)	4			
Power				
Power Supply	100~240V AC, 50/60 Hz			
Power Consumption (w)	60		120	
Fuse	T 2 A, 250 V			
LED	12pcs 3W Tri-color RGB		12pcs 8W Quad-color RGBW	
Operation Modes	DMX, Auto, Sound Active, Master/Slave, RGBW Manual Control Mode, Static Colour Mode			
Beam Angle	25°			
Refresh Rate	2940Hz			
DMX Channel	3,4,5,6,7,9,12,18,36 channels		4,6,8,9,12,16,24,48 channels	
Power Input	IEC			
Power Output	IEC			
LCD display with 4 buttons control				
Smooth electronic dimming with a 16-bit 4 Dimmer curve				
Aluminum Housing				
Smart Cooling system without fan				
Variable Speed Strobe Effect (1 – 30 Hz)				

WARRANTY

Please refer to your local dealer or please contact Event Lighting.